ORACLE®

SOFTWARE POWERS THE INTERNET

Positioning IMACS for the Future
An Incremental Web Approach

Presented By:

Mr. Steve Carmichall
Practice Manager

June 2000

ORACLE®

IMACS Overview

- **Client Server --Where you are**
- **Web Enabled Architecture--Where you're going now**
- **Web Advantaged Architecture--Where you want to be next**

ORACLE®

Review of IMACS Objectives

- Provide *ability to negotiate & maintain DMISA contracts* between services to support Depot Maintenance of assets where repair services are requested by the owner (principal) and capability exists in another service's depot (agent)
- Provide *DMISA asset visibility* from the principal service, through the agent Depot Maintenance process, & back to the principal service

ORACLE®

Client Server to Web Enabled Architecture

Pre-relational Early **relational**

Client-server relational

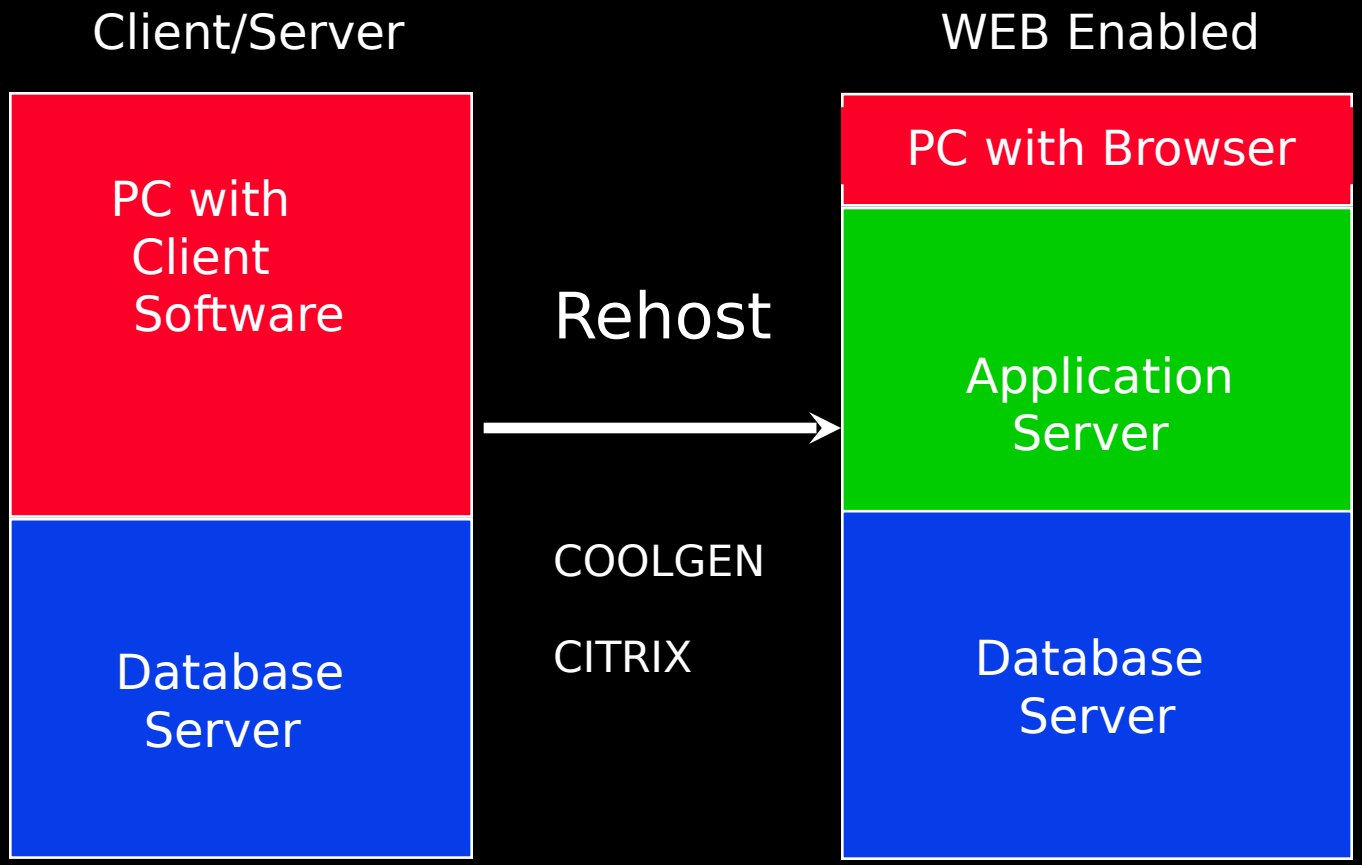
Enterprise-capable relational

Internet Generation

Catching up with technology

ORACLE®

Going to the the IMACS Web Enabled Architecture



Incremental Web Architecture Approach

ORACLE®

Considerations for WEB Enabling IMACS

- Minimize impact to current workload and users
- Integration with system functionality
- Provide $$$ savings to overall program
- Accomplish in reasonable time line

ORACLE®

Decision for the IMACS Web Enabled Architecture

- Re-uses existing Database Schema
  - Minimizes data conversion issues
- Minimizes modifications to existing system functionality
  - Allows same forms and report structures to be used
  - Reduces time to Web Enable system
- Rehost from client server to web through Coolgen or CITRIX
  - Cost effective near term web enabling solution
  - Minimizes user disruption

ORACLE®

Capabilities of the IMACS Web Enabled Architecture

- Employs an enhanced system architecture and simplifies user maintenance
- No configuration for the user's PC
- Easier to upgrade, maintain and release to the user environment
- Can be accessed from any PC

ORACLE®

Web Enabled to Web Advantaged Architedcture

Pre-relational

Early relational

Client-server relational

Enterprise-capable relational

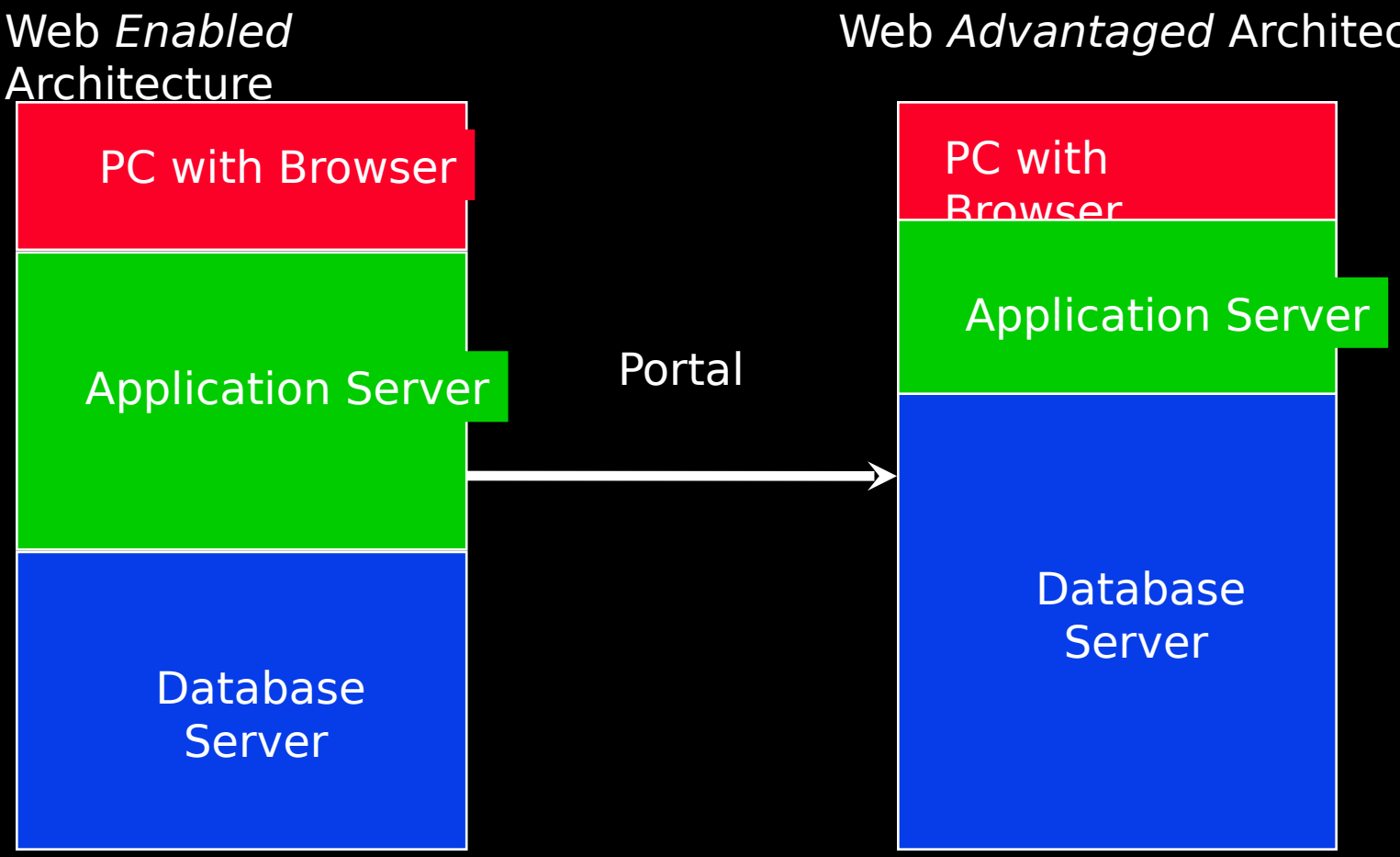
Internet Generation

Web Portals

Transitioning to new technology

ORACLE®

Where IMACS Should Be Going Next



Incremental Web Architecture Approach

ORACLE®

Enterprise Portal

- Open Architecture to integrate applications and content
- Off loads uses from having to access multiple web sites, aggregating info, analyzing data sources, performing comparative analysis and executing multiple transactions
- Provides connectivity, consistency and continuity between users and relevant sources of info

ORACLE®

IMACS Web Advantaged Architecture Benefits

- Empowers users with a quick and flexible means to access needed data easily
- Increases IMACS efficiencies, user productivity and performance improvement
- Leverages the DB, application and portal capability into a seamless enterprise system
- Creates a single, consistent and complete IMACS solution
- Positions IMACS for the next technology change

ORACLE®

Put the “real work” on the database server

Take advantage of the powerful database server

Take advantage of the power of Oracle

ORACLE®

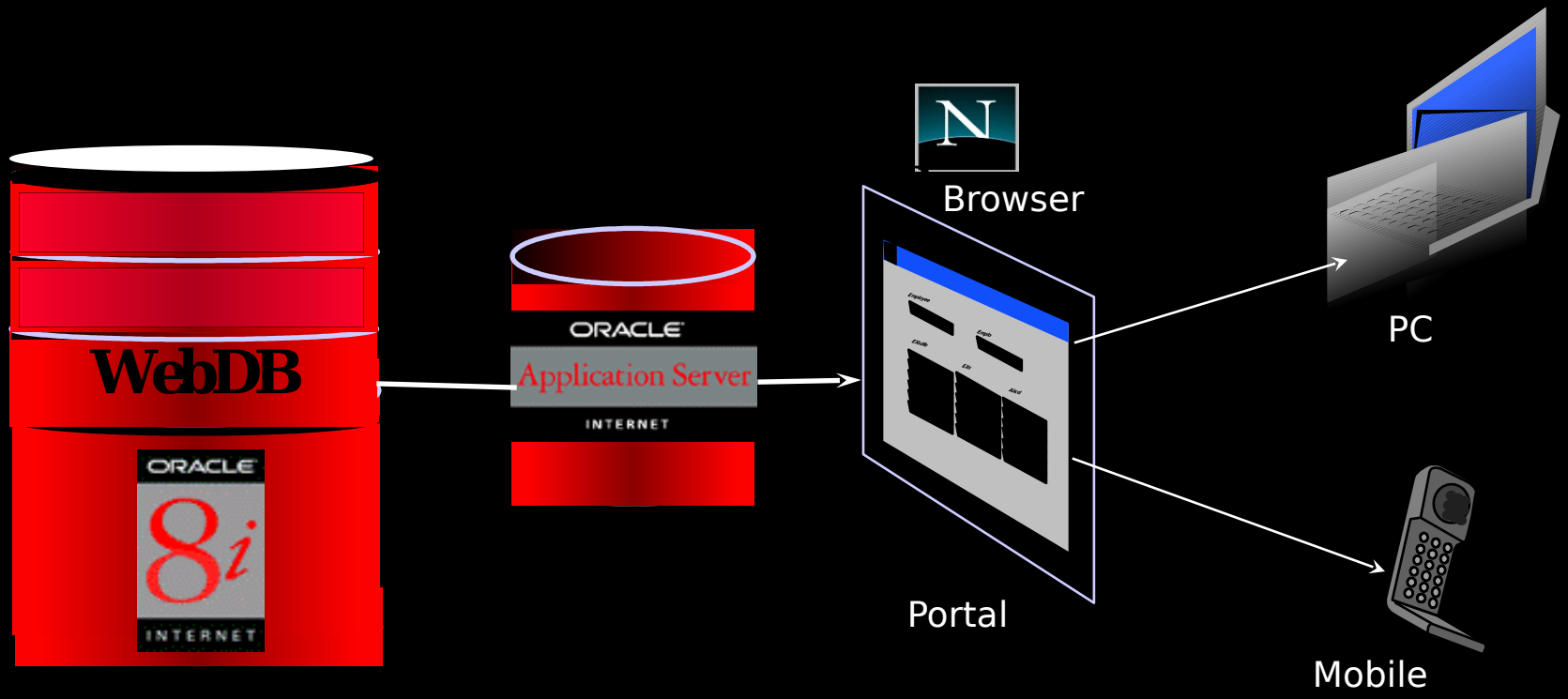
Put Database Server to Work

- Host Security in the Oracle8i database.
  - No one gains access that shouldn’t have access
  - Ad hoc reporting can be enabled again
- Build reports in HTML or PDF format
  - Faster more efficient
  - Built in formats understood by browers
  - Get large reports across the web

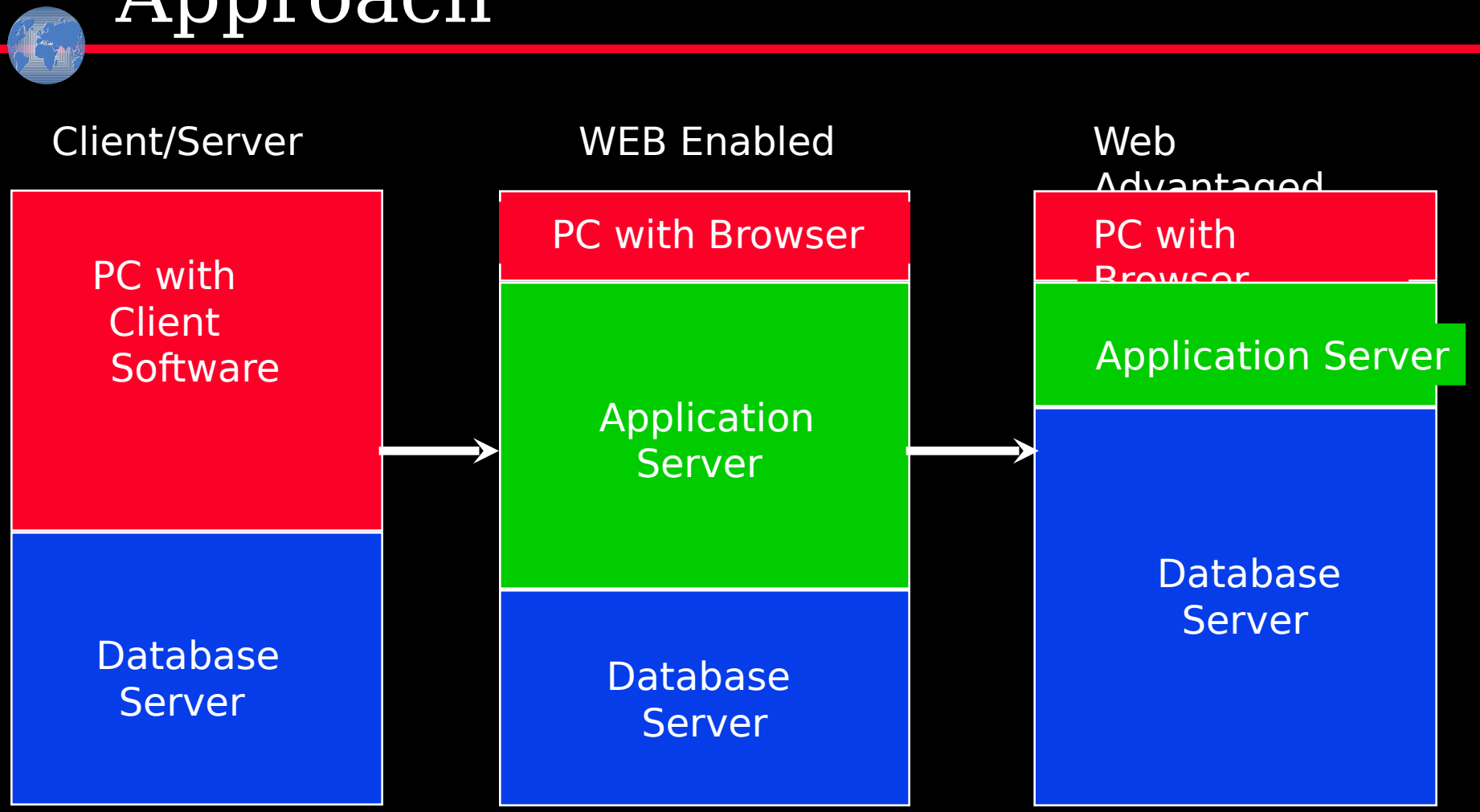
ORACLE®

Positioning IMACS for the Future

The future is using the Oracle technology stack



Incremental Web Architecture Approach



Incremental Web Architecture Approach

ORACLE®

Incremental Web Approach Summary

- **Current Client Server Environment is costly to support and maintain for IMACS**
- **WEB Enabled Architecture minimizes impact to current operations and is cost effective near term**
- **IMACS WEB Advantaged Architecture links powerful Oracle technology and improves performance, simplifies upgrades & provides a more robust system for users**
- **Positions IMACS for the future**

ORACLE®

ORACLE®

SOFTWARE POWERS THE INTERNET